

Message

From: Tasnif-abbasi, Maryam@DTSC [Maryam.Tasnif-abbasi@dtsc.ca.gov]
Sent: 8/26/2015 11:04:11 PM
To: Baylor, Katherine [Baylor.Katherine@epa.gov]
Subject: Re: Riverside Ag extraction method

Thanks.

Sent from my mobile device Ex. 6 Personal Privacy (PP)

On Aug 26, 2015, at 3:59 PM, "Baylor, Katherine" <Baylor.Katherine@epa.gov> wrote:

Greg, Maryam-

The EPA Region 9 Lab doesn't do ultrasonic extraction (EPA Method 3550). The R9 Lab choices are Soxhlet (EPA 3540) or Pressurized Fluid Extraction (EPA 3545). Both Soxhlet or Ultrasonic are allowed under TSCA, so we will do Soxhlet for our samples. Our chief chemist doesn't think the results will be markedly different between Ultrasonic or Soxhlet given that this is a fairly easy matrix (decomposed granite). If it were a problematic matrix such as dense clay or really high PCB concentrations, that might be a different matter, but for this project with this matrix, it should be OK to have your lab do Ultrasonic and our lab do Soxhlet.

Kathy

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From: Baylor, Katherine
Sent: Wednesday, August 26, 2015 9:16 AM
To: 'Neal, Greg@DTSC'
Cc: ZIFF, SARA; Tasnif-abbasi, Maryam@DTSC
Subject: RE: Logistics for Riverside sampling next week

Greg –

Yes, earlier is better for me as well, so if our first sampling day is Tuesday (9/1), that would be great.

Given the amount of soil re-working, the soil should be pretty homogeneous, so co-located samples are fine. The "one scoop for you, one for us" method is the way we typically do soil split samples, and it's usually fine. And, yes, I would also anticipate that the developer will want their own samples.

I'll plan on the sample ID strategy you've listed and prepare my labels this week.

Thanks-
Kathy

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From: Neal, Greg@DTSC [<mailto:Greg.Neal@dtsc.ca.gov>]

Sent: Tuesday, August 25, 2015 5:58 PM

To: Baylor, Katherine

Cc: ZIFF, SARA; Tasnif-abbasi, Maryam@DTSC

Subject: RE: Logistics for Riverside sampling next week

Hi Kathy,

I agree planning and scheduling as if we are in the field next week is a great plan. I have already been working with our zone contractor that will be providing us the sampling materials (jars, sample scoops and drill rig). We are planning to have a surveyor stake the grid points on Monday. A little overkill but the way contracting is set up, it was available. Then after our sampling the surveyor would come through again to confirm and relocate any field changes. After our meeting this afternoon I heard from our contractor that they can have a drill rig onsite on Wednesday through Friday (to drill the wells) that we can divert first to the subsurface samples.

I have been using ArcMap to generate the figures and I can output a kmz file of the locations if that is helpful. the grid wont export as it is not geolocated, just overlain on the map, but each of the sample locations will export.

Do you think you could be onsite Tuesday to do the surface samples? Then Wednesday do subsurface and wells. I would like to participate in the soil sampling as well as oversee the well drilling so doing them on separate days is most ideal. If not, we can still start Wednesday as I have a few helpers joining us to speed up the sampling.

How do you feel about co-locating your samples versus splitting? Homogenization in some kind of container will add a step and generate decon waste. I agree that this could introduce some sample variability, however, I was envisioning one scoop into my jar - one into your jar - one into any other interested parties jar (although I don't have confirmation, I expect that the property owner will want their own samples) then back to my jar -your jar and so on. Could save on your scoops and pseudo split.

As far as sample IDs, the most recent sampling map that Maryam sent out has letters and numbers for grid identifiers. I was thinking something along the lines of RivAg-D3-Surf (surface sample in grid D3), RivAg-D3-2 (for 2 feet bgs), RivAg-D3-5 (for 5 feet bgs) and so on (Cy our Toxicologist thought that 2, 5 and 8 feet would fit in to risk communication easier than the depth we discussed on the phone). Ultimately, either labeling protocol fits the bill.

Thanks

Greg

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From: Baylor, Katherine [Baylor.Katherine@epa.gov]

Sent: Tuesday, August 25, 2015 4:56 PM

To: Neal, Greg@DTSC

Cc: ZIFF, SARA

Subject: Logistics for Riverside sampling next week

Greg –

Although many things still need to happen before we can sample, it's probably best to move forward on the logistics for the Riverside Ag Park sampling. We (EPA) plan to split sample up to 20 soil samples with DTSC. Our split samples will be primarily surface soil, but would include a few depth samples if that avenue pans out. I will have my own 4 oz. jars, labels, scoops, gloves, flags/stakes, etc., but mostly plan to follow along with DTSC. We plan to analyze our samples for PCBs only (EPA Method 8082) with ultrasonic extraction (EPA 3550).

I've mapped out the original 39 grid sampling locations on Google Earth (see attached .kmz file if you have access to Google Earth, or the .jpg if you don't). I used RivAg1, etc. for the sample IDs, but will use whatever sample IDs DTSC plans to use. How do you plan to measure this out in the field? GPS? Tape measure? If it would help, I can load the point coordinates into a GPS and we can just walk it out. Our handheld GPS units are generally around one to three meter accuracy, which is probably fine for a 250-foot grid spacing.

I've put in my TA for Wednesday (9/2) as the sampling date, but could roll over to Thursday if needed (say, if we do surface soil on Wed, and then depth samples on Thursday). I'm looking forward to working with you on this project-

Kathy Baylor

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